NOVEMBER/DECEMBER 2024

CCP43/FCP42 — RDBMS

Time : Three hours Maximum : 75 marks

SHANMUGA INDUSTRIES ARTS & SCIENCE COLLEGE LIBRARY

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Entity.
2. What is subclass in inheritance?
3. Write about the Relational Algebra.
4. Give the two Advantages of View.
5. What do you mean by Normalization?
6. Expand BNCF.
7. State the meaning of data dictionary storage.
8. What is Leaf Node?
9. What is meant by transaction in DBMS?
10. What is query in DBMS with example?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) What are the components of ER diagram?

Or

(b) Explain the different database users.

12. (a) Difference between Relational Algebra and Relational Calculas.

Or

(b) List out the types of Joins with example.

13. (a) Discuss about the Advantages of OS Normalization.

Or

(b) Explain the Boyce Codd normal form.

14. (a) Describe the implementation of RAID.

Or

(b) State the types of Data storage.

15. (a) What are the steps involved in query processing in DBMS?

Or

(b) Describe the properties of transactions.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the types of database Architecture with diagram in detail.

17. What are the five Aggregate functions? And explain it give an example?

18. Why do we need Normalization? Explain 4NF & 5NF.

19. What are the benefits and drawbacks of RAID?

20. Briefly explain the transaction concept.

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